

WASHINGTON STATE DEPARTMENT OF HEALTH OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Holmes Harbor

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected 9 times from the area during the year using the systematic random sampling method. The area was closed for a total of 19 days due to high levels of biotoxin. DOH completed a shoreline survey of the "approved" portion of the Holmes Harbor in 2005. The remaining shoreline was also surveyed in response to a request for commercial harvest.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the currently classified area has new sources of pollution. Elevated fecal coliform levels were identified in four shoreline discharges that are located outside the area currently certified for commercial harvest.

CLASSIFICATION STATUS:

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **HOLMES HARBOR**Classification: **Approved,Unclassified**From **09/16/2002** To **11/01/2005****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
195	Approved	32	1.7 - 13.0	2.0	3.0	Yes
197	Approved	32	1.7 - 4.5	1.9	2.0	Yes
198	Approved	32	1.7 - 6.8	1.8	2.0	Yes
200	Approved	32	1.7 - 130.0	2.4	8.0	Yes
201	Approved	32	1.7 - 49.0	2.8	9.0	Yes
193	Unclassified	32	1.7 - 130.0	2.2	6.0	Yes
194	Unclassified	32	1.7 - 79.0	2.6	9.0	Yes
196	Unclassified	30	1.7 - 13.0	2.1	4.0	Yes
199	Unclassified	32	1.7 - 2.0	1.7	1.0	Yes
280	Unclassified	33	1.7 - 2.0	1.7	1.0	Yes
281	Unclassified	33	1.7 - 4.5	1.8	2.0	Yes
282	Unclassified	33	1.7 - 11.0	2.0	3.0	Yes
283	Unclassified	33	1.7 - 7.8	1.9	2.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

HOLMES HARBOR

